

CORRES. CONTROL  
OUTGOING LTR NO.

DOE ORDER# 5400,1

94 RF 12578



## EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.

ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000



000063545

DIST.	LTR	EN
AMARAL, M.E.		
BURLINGAME, A.H.		
BUSBY, W.S.		
BRANCH, D.B.		
CARNIVAL G.J.		
DAVIS, J.G.		
FERRERA, D.W.		
FRAY, R.E.		
GEIS, J.A.		
GLOVER, W.S.		
GOLAN, P.M.		
HANNI, B.J.		
HARMAN, L.K.		
HEALY, T.J.		
HEDAHL, T.		
HILBIG, J.G.		
HUTCHINS, N.M.		
JACKSON, D.T.		
KELL, R.E.		
KUESTER, A.W.		
MARX, G.E.		
MCDONALD, M.M.		
McKENNA, F.G.		
MONTROSE, J.K.		
MORGAN, R.V.		
POTTER, G.L.		
PIZZUTO, V.M.		
RISING, T.L.		
SANDLIN, N.B.		
Schwartz, J.K.		
SETLOCK, G.H.		
STEWART, D.L.		
STIGER, S.G.		
TOBIN, P.M.		
VOORHEIS, G.M.		
WILSON, J.M.		
<i>P.D. MARION</i>	<i>JS</i>	<i>JS</i>
<i>LS PW</i>	<i>JS</i>	<i>JS</i>
CORRESP. CONTROL	X	X
ADMIN RECORD/080	✓	✓
TRAFFIC		
PATS/T130G		

CLASSIFICATION:

UCNI		
UNCLASSIFIED	<input checked="" type="checkbox"/>	
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER

SIGNATURE  
DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE

IN REPLY TO RFP CC NO:

ACTION ITEM STATUS  
☒ PARTIAL/OPEN

☒ CLOSED  
LTR APPROVALS:

ORIG & TYPIST INITIALS

December 22, 1994

94-RF-12598

Kurt Muenchow  
Environmental Restoration Division  
DOE, BFFO

TRANSMITTAL OF WETLANDS ASSESSMENT IN SUPPORT OF OPERABLE UNIT (OU) 7 SEEP  
COLLECTION SYSTEM CONSTRUCTION - LJP-026-94

Action Required: Forward wetlands assessment to Patricia Powell of the Department of Energy, Rocky Flats Field Office (DOE, RFFO), and request the Environmental Protection Agency (EPA) authorization to mitigate wetlands impacted during the seep collection system construction at landfill closure.

OU 7 will begin construction of the seep collection system in the summer of 1995. The construction will occur at a wetlands area and will require authorization by the EPA's Waste Management Division through the authority of CERCLA. In letters dated August 23, and September, 1994, EG&G requested written verification of verbal guidance received August 15, 1994, from Mr. A. Duran (EPA Waste Management Division). In the meeting, Mr. Duran stated that mitigation for the leachate collection system was not required separately from mitigation for landfill closure. Written authorization should be provided prior to construction to avoid impacts to the schedule.

The 10 CFR Part 1022 requirements have been satisfied with the publication of the Notice of Involvement in the Wednesday, January 27, 1993, Federal Register and the completion of the attached wetlands assessment. Please forward the wetlands assessment to Patricia Powell of DOE. BFFO.

Thank you for your cooperation and if you have any questions regarding this transmittal, please contact me at extension 8553.

Laurie J. Peterson-Wright  
Operable Unit 7 Project Manager  
OU 5, 6, & 7 Closures

LJP:cb

Orig. and 1 cc - K. Muenchow

Attachment:  
As Stated

ADMIN RECCRD

BZ-A-000438

## **Wetlands Assessment for Operable Unit 7 Seep Collection System Project**

### **1.0 Project Description**

The Department of Energy (DOE) proposes a project at the Rocky Flats Environmental Technology Site (RFETS), located north of Golden, CO, portions of which would take place in wetlands. The project requires construction of a seep collection system to collect surface water draining from the east face of the present landfill (Individual Hazardous Substance Site 114) in Operable Unit 7. The objective of the interim action is to significantly reduce potential risks to the public and the environment posed by organics and metals present in the seep.

Liquid will be collected at the seep (SW097) with a temporary system, including 6-inch perforated PVC collection pipe, drain rock, a precast manhole base section, and a submersible pump. The 6-inch perforated PVC collection pipe will be placed just downstream of the seep and backfilled with drain rock to direct the seep flow to the precast manhole. A 1-horsepower pump will deliver the flow to the storage facility via a 2-inch single wall PVC forcemain. A temporary diversion dike consisting of hay bales, liner material and rip rap will be placed upstream of the seep to prevent surface water runoff and sediments from entering the seep collection system. Two double contained crosslink polyethylene tanks will provide a storage capacity of 13,000 gallon each. The stored seep water will be transported as necessary to the designated treatment facility by tanker truck.

Construction is scheduled for May to August 1995. The collection system will operate until July 1997 when the present landfill will be capped.

The East Landfill Pond and some areas along the pond edge exhibit typical wetland characteristics. Part of the seep collection system will be located in a wetland area at the upstream end of the pond. The collection system must be located in that area in order to collect the seep. Consequently, Title 10, Part 1022, Compliance with Floodplain/Wetlands Environmental Review Requirements has been identified as a potential ARAR. Mitigation of wetland effects will be addressed during the forth-coming Landfill Closure Interim Measure/Interim Response Action/Decision Document (IM/IRA/DD).

### **2.0 Wetlands Effects**

The proposed activities would have only negligible positive or negative, direct or indirect, short or long term effects on the survival, quality, or natural and beneficial values of the wetlands.

Construction of the seep collection system will remove less than 2 yd<sup>2</sup> of wetland vegetation to allow for excavation and placement of the downgradient barrier. Also, some flattening of wetland vegetation is expected to occur due to backhoe access and operational maneuvering. The seep collection system may disrupt the local hydrology by removing water that would otherwise remain in the environment, that could result in eventual encroachment of upland vegetation.

Approximately 2 yd<sup>2</sup> of wetland could be affected by eventual encroachment of upland vegetation. advancement of succession to dry land species.

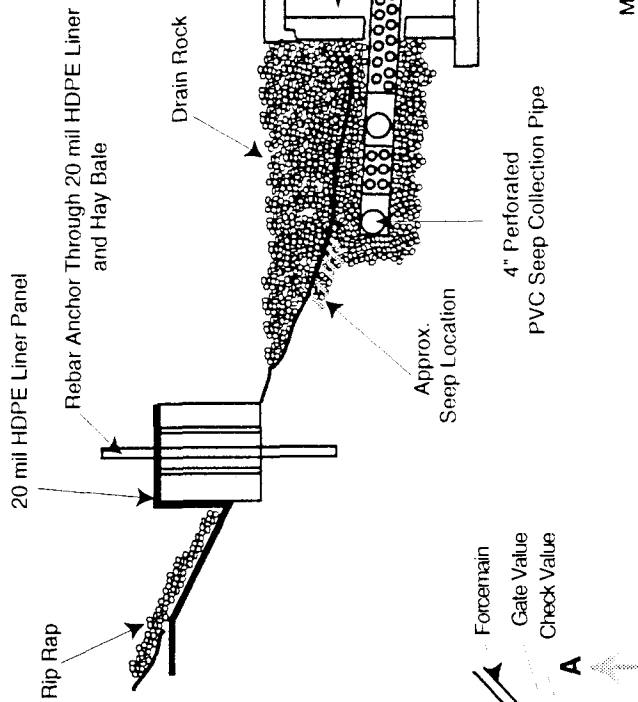
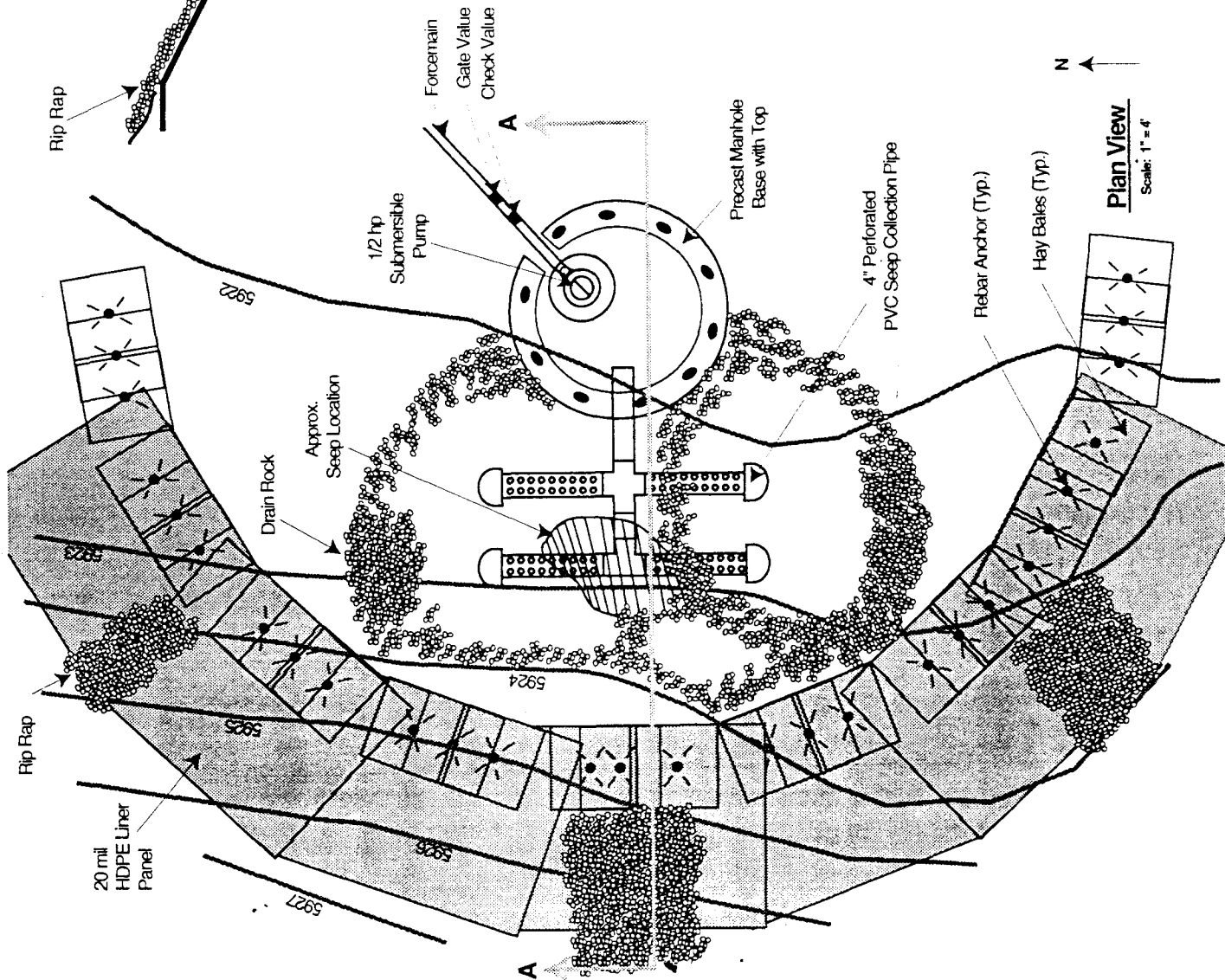
All water removed from the seep will be treated and discharged to the Walnut Creek Drainage.

### **3.0 Alternatives**

The no action alternative is the only other action considered feasible for this project. The no action alternative would not result in any adverse impacts to wetland areas. However, the surface water seep contains a listed waste (FO39) as defined by the Code of Federal Regulations, Title 40 Part 261.31, Hazardous Wastes from Non-Specific Sources, and as such, must be collected and treated. Therefore the no action alternative is not considered a reasonable alternative to the proposed project.

### **4.0 Mitigation of Wetland Impacts**

The impact on wetlands will be minimized by shoring the trench rather than excavation with a standard 1:1 slope. In addition, existing roads will be utilized where possible and access to the site will be limited to authorized personnel only.



**Section A-A**  
Scale: 1" = 4'

**Plan View**  
Scale: 1" = 4'

U.S. Department of Energy Rocky Flats Environmental Technology Site, Golden, Colorado	
<b>Temporary Seep Collection Details</b>	
Proposed Action Memorandum	Operable Unit No. 7
Date: November 1994	Figure 3-2